

## Eligibility

To be eligible for this degree program, you must have a Baccalaureate Degree (BA or BS) with a GPA of 2.2 or better and have taken calculus with a C or better. A favorable command endorsement is required on all applications.

## Awards

All students who successfully complete the two-year distance-learning course of study will receive:

- **Certificate in Systems Analysis:**  
Awarded after completion of the first four quarters.
- **Master of Systems Analysis:**  
Degree awarded upon completion of the two-year program.

A second Certificate may be earned in a systems analysis context option track approved by the student's sponsor. Options include Defense Resource Management, Information Systems Technology, Space Systems, Anti-submarine Warfare, and Information Systems and Operations.



## For more information, contact:

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# MASTER OF Systems Analysis

A distributed learning  
graduate degree  
program offered by the  
Naval Postgraduate School



**Graduate Education  
to Fit Your  
Busy Career**



Offered in partnership  
with the Chief of Naval  
Operations and the Naval  
Education and Training  
Command



NAVAL POSTGRADUATE SCHOOL

# MSA

## The Master of Systems Analysis Degree

The Naval Postgraduate School offers a Master of Systems Analysis (MSA) degree to qualified military officers and federal government civilians.

The MSA program is designed to meet the needs of the Navy and other services in the Department of Defense (DoD) for technical graduate education in systems analysis as a basis for aiding key decisions on force requirements, weapon systems, and other defense matters. **Students acquire foundation skills and hands-on experience** in all aspects of analytical studies, including the skills to:

- *Formulate problems*
- *Use the analytical process to design study requirements*
- *Highlight critical assumptions*
- *Recognize strengths and weaknesses of applied analytical methodologies*
- *Evaluate study recommendations*

**The Naval Postgraduate School delivers fully-accredited graduate degrees with an internationally recognized reputation for excellence.**

For more information and online application see:  
[www.nps.edu/dl/npsso/degree\\_progs/msa.html](http://www.nps.edu/dl/npsso/degree_progs/msa.html)

## The Curriculum

### VTE Orientation

#### **Quarter 1** Spring/Fall

- Fundamentals for Naval Analysis I (*SA Cert*)
- Topics in Mathematics for Systems Analysis

#### **Quarter 2** Summer/Winter

- Combat Systems Simulation (*SA Cert*)
- Fundamentals for Naval Analysis II

#### **Quarter 3** Fall/Spring

- Naval Tactical Analysis (*SA Cert*)
- Cost Estimation

#### **Quarter 4** Winter/Summer

- Naval Systems Analysis (*SA Cert*)
- Systems Optimization

### SA Certificate Award Ceremony

#### **Quarter 5** Spring/Fall

- Risk Benefit Analysis
- Defense Budget and Financial Management Policy (*DRM Track*)

#### **Quarter 6** Summer/Winter

- Systems Analysis Cases I (*MSA Thesis Equiv.*)
- Defense Financial Management Practice (*DRM Track*)

#### **Quarter 7** Fall/Spring

- Systems Analysis Cases II (*MSA Thesis Equiv.*)
- Systems Acquisition & Program Management I (*DRM Track*)

#### **Quarter 8** Winter/Summer

- Systems Analysis Cases III (*MSA Thesis Equiv.*)
- Systems Acquisition & Program Management II (*DRM Track*)

**MSA awarded at NPS Graduation in Monterey**

## The Program Format

The MSA program is a 24-month, part-time program. Students take two courses per quarter, for eight quarters. This includes a four-course sequence leading to a Certificate in Systems Analysis, five additional MSA core courses, a four-course Systems Analysis context option track, and a three-course sequence of Systems Analysis case studies and projects which are an approved equivalent of a Master's thesis.

This program is a blend of approximately 50% web-based, online instruction, and 50% video-tele-education (VTE) and is especially tailored to students whose careers will not allow them to get away for a full-time graduate education program.

The web-based courses are paced week-to-week by the instructors, but students have great flexibility to do their coursework at times of their choosing during each week. The VTE classes meet at a scheduled time, once per week, during the workday, with the agreement of the student's current command.

